

SD6718/S95544  
Express Mail No.: EL026586605US

IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANTS: Darryl Y. Sasaki, Tina A. Waggoner and Julie A. Last

SERIAL NO.: Unknown

GROUP NO.

FILED: October 23, 2001

EXAMINER:

FOR: SELF-ASSEMBLED LIPID BILAYER MATERIALS

Assistant Commissioner for Patents  
Washington, D.C. 20231

October 23, 2001

jc971 U.S. PTO  
10/04/01  
10/23/01

*Handwritten:* #2  
D.C.  
3-18-02

INFORMATION DISCLOSURE STATEMENT

The following sections are being submitted for this Information Disclosure Statement:

1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

2. Form PTO - 1449 (Modified).

3. The person making this statement is the attorney or agent who signs below on the basis of the information supplied by the inventor(s) and the information in the attorney's or agent's file.

Dated: 10-23-01

Phone: (505) 845-8628  
FAX: (505) 844-2363

*Elmer A. Klavetter*  
Elmer A. Klavetter  
Patent Agent, Reg. No. 42,743  
Sandia National Laboratories  
Patent and Licensing Center, 11500  
P. O. Box 5800 / MS 0161  
Albuquerque, New Mexico 87185-0161

Information Disclosure Statement  
Sasaki, et al.  
SD6718/S95544  
Page 2

---

**CERTIFICATE OF MAILING**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the U. S. Postal Service on the date shown below as Express Mail No. EL026586605US in an envelope addressed to the: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Dated: 10-23-01

Marilyn Gabel

Form PTO-1449 (SNL-Modified) (2-91)  
List of Patents and Publications  
for Applicant's  
Information Disclosure Statement

Atty Docket No: SD-6718/S-95,544  
Serial Number:

APPLICANT: Sasaki, et al.

(use several sheets if necessary)

GROUP:

FILING DATE: October 23, 2001

10/23/01 U.S. PTO

10/041846



REFERENCE DESIGNATION

Ex'r Init			U.S. Patent Documents		Sub		File Date	
	Document No.	Date	Name		Class	Class		
			Foreign Patent Documents		Sub		Translation	
	Document No.	Date	Name		Class	Class	Yes	X No

|AA |5,837,202 |11/17/98 |Arnold, et al.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- |BA Waggoner, et al., "Self-Assembled Columns of Stacked Lipid Bilayers Mediated by Metal Ion Recognition," *J. Am. Chem. Soc.*, 2001, 123, 496-497.
- |BB Ringsdorf, et al., "Molecular Architecture and Function of Polymeric Oriented Systems: Models for the Study of Organization, Surface Recognition, and Dynamics of Biomembranes" *Angew. Chem. Int. Ed. Engl.*, 27, 1998, 113-158.
- |BC Alberts, et al., "Molecular Biology of THE CELL, 3rd ed." Garland Publishing, 1994, pp. 127-128, 276, 576, 1142-1143
- |BD Radler, et al., "Structure of DNA-Cationic Liposome Complexes: DNA Intercalation in Multilamellar Membranes in Distinct Interhelical Packing Regimes," *SCIENCE*, Vol. 275, 7 Feb. 1997, 810-813 ([www.sciencemag.org](http://www.sciencemag.org))
- |BE Wong, et al., "Hierarchical Self-Assembly of F-Actin and Cationic Lipid Complexes: Stacked Three-Layer Tubule Networks," *SCIENCE*, Vol. 288, 16 June 2000, 2035-2039 ([www.sciencemag.org](http://www.sciencemag.org))
- |BF Constable, et al., "Reversible metal-directed assembly of clusters and vesicles" *Chem. Commun.*, 1999, 1483-1484
- |BG Chiruvolu, et al., "Higher Order Self-Assembly of Vesicles by Site-Specific Binding," *SCIENCE*, Vol. 264, 17 June 1994, 1753-1756 ([www.sciencemag.org](http://www.sciencemag.org))
- |BH Sasaki, et al., "Optical detection of aqueous phase analytes via host-guest interaction on a lipid membrane surface," *SPIE-The International Society for Optical Engineering*, Vol. 3606, 25-26 Jan. 1999, San Jose, CA, 46-54
- |BI Sasaki, et al., "Metal-Induced Dispersion of Lipid Aggregates: A Simple, Selective, and Sensitive Fluorescent Metal Ion Sensor," *Angew. Chem. Int. Ed. Engl.*, 1995, 34, No. 8, 905-907.

- |BJ Sasaki and Padilla, "Dithioamide Metal Ion Receptors on Fluorescent Lipid Bilayers for the Selective Optical Detection of Mercuric Ion," *Chem. Commun.*, 1998, 1581-1582
- |BK Ng, et al., "Engineering Protein-Lipid Interactions: Targeting of Histidine-Tagged Proteins to Metal-Chelating Lipid Monolayers," *Langmuir*, Vol. 11, No. 10, 1995, *Am. Chem. Soc.*, 4048-4055

Examiner:

Date Considered: